



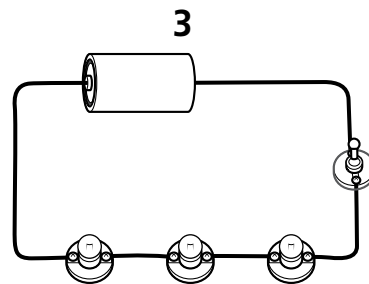
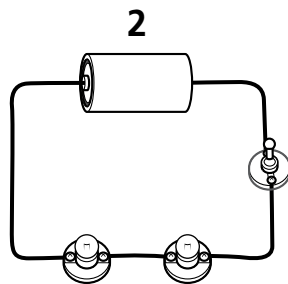
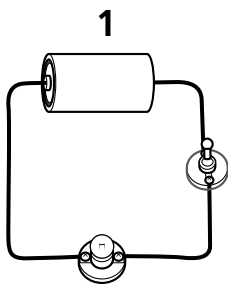
Name: Form:

Based on pages 20 and 21 of *Simple electricity*

Investigating brightness

Try this...

1. Make circuit 1 and write down whether the bulb is dim, bright or very bright, in the top box of the second column in the table.
2. Make circuit 2 and write down whether the bulbs are dim, bright or very bright, in the second box of the second column.
3. Make circuit 3 and write down whether the bulbs are dim, bright or very bright, in the third box of the second column.



Circuit	One battery	Two batteries	Three batteries
1			
2			
3			

4. Make circuits like the ones in the diagrams, but use two batteries instead of one. Record your results in the third column of the table.
5. Make circuits like the ones in the diagrams, but use three batteries instead of one. Record your results in the fourth column of the table.

Looking at your results.

6. How does increasing the number of batteries affect the brightness of the bulbs in the circuit?

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7. How does increasing the number of bulbs affect the brightness of the bulbs in the circuit?

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